

Abstract of the Disclosure

A device for sending or receiving optical signals wherein an opto-electrical transducer (5), an associated
5 glass fiber (8) and other elements (6, 7) of a sending or receiving circuit are arranged on a common support; namely, a circuit board (1) comprising different multiple layers of insulation material and intermediate layers of metal, with
10 a recess (2) containing an opening (3) and a bottom (4) on which conducting tracks are located, where at least some of them are impedance-matched. The transducer (5) and the other elements (6, 7) are located entirely in the recess (2) and are connected to the conducting tracks. At least
15 some of the conducting tracks protrude laterally from the recess (2) into the surrounding edge areas of the circuit board (1), where at least some are connected to impedance-matched conductors (11) which extend to a common surface inside the circuit board (1) and respectively end on a
20 contact surface (12). The glass fiber (8) exits from the recess (2) through an opening in the circuit board (1).